## **CLAIMS**

- 1. A surface-coated cutting tool comprising a base material coated with an inner layer formed on the base material and an outermost layer formed on the inner layer, the inner layer being composed of a compound containing Al, at least one of elements Cr and V and at least one element selected from the group consisting of nitrogen, carbon and oxygen, and the outermost layer being composed of a carbonitride of TiSi.
  - 2. The surface-coated cutting tool according to claim 1, wherein the outermost layer has a thickness of 0.1-2 μm.

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- 3. The surface-coated cutting tool according to claim 1, wherein the carbonitride of TiSi has an average crystal diameter of at most 0.1 µm.
- 4. The surface-coated cutting tool according to claim 1, wherein said inner layer is composed of a compound containing (Al<sub>1-a-b</sub>Cr<sub>a</sub>V<sub>b</sub>) (where 0 ≤ a ≤ 0.5, 0 ≤ b ≤ 0.5, 0 ≠ a+b ≤ 0.5) and at least one of elements that are carbon, nitrogen and oxygen.
- 5. The surface-coated cutting tool according to claim 4, wherein said a+b satisfies 0.3 < a+b < 0.45.
  - 6. The surface-coated cutting tool according to claim 4, wherein said a has a value satisfying 0 < a < 0.35 and said b has a value satisfying 0 < b < 0.35.
    - 7. The surface-coated cutting tool according to claim 4, wherein said a and b have respective values satisfying 20 < a/b < 100.

- 8. The surface-coated cutting tool according to claim 1, wherein the inner layer contains, in atomic percent, less than 5 % of Ti.
- 5 9. The surface-coated cutting tool according to claim 1, wherein the inner layer contains, in atomic percent, at most 30 % of Si and/or B.
- The surface-coated cutting tool according to claim 1, wherein the surface-coated cutting tool has a TiSiN layer between the base material and
  the inner layer and/or between the inner layer and the outermost layer.
  - 11. The surface-coated cutting tool according to claim 1, wherein the inner layer is divided by a  $TiSiC_xN_{1-x}$  (where  $0 \le x \le 0.5$ ) layer.
- 15 12. The surface-coated cutting tool according to claim 11, wherein said TiSiC<sub>x</sub>N<sub>1-x</sub> is TiSiN.
  - 13. The surface-coated cutting tool according to claim 1, wherein the base material is coated with the layers that have a total thickness of 0.5-8  $\mu m$ .